



MATERIAL SAFETY DATA SHEET

Product Identity:

ZAPIT BASE

SECTION I. Identification

REVISION: MAY 2006

Manufacturer

Dental Ventures of America Inc.
217 Lewis Court
Corona, CA. 92882

Emergency Telephone Number:

Infotrack (800) 535-5053

Product Information Number:

(951) 270 - 0606

SECTION II. Composition/Information on Ingredients

Chemical Name/Synonyms:	Cyanoacrylate Adhesive
Common Name:	Cyanoacrylate Instant Adhesive
DOT Hazard Classification:	Cement, Liquid NOS NA 1133
CAS Number:	N/A - Mixture
Formula/Molecular Weight:	N/A - Mixture

SECTION III. Hazardous Ingredients/Identify Information

Listed below are the hazardous component (s) as defined in 49 CFR 172 and 29 CFR 1910, which are present in this product and all components which appear on the hazardous substance list of any state.

Common Names:	CAS Number	OSHA/PEL	ACGIH/TLV	OTHER LIMITS	% OPTION
Ethyl-2 Cyanoacrylate:	07085-85-0	NE	NE	0.2 ppm TWA	60-100
Poly (Methyl Methacrylate)	9011-14-7	NE	NE		10-30
Hydroquinone*	123-31-9	2mg/m ³	2mg/m ³		0-1

*This ingredient is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986 (SARA) and 40 CFR 372.

NFPD CODES: Health - 2 Flammability - 2 Reactivity - 1 Other - None

SECTION IV. First Aid Measures

Skin:	Immerse bonded surfaces in warm soapy water. Peel or roll skin apart. Remove cured adhesive with several applications of warm, soapy water. Do not force separation. Prolonged or repeated contact at elevated levels may cause dermatitis in sensitive individuals.
Eyes:	Tearing from eye irritation. Remove to fresh air. Flush thoroughly with lukewarm or tepid water for at least 15 minutes. Adhesive will disassociate from eye/eyelids over time, usually within several hours. Temporary weeping of eyes/double vision may be experienced until clearance is achieved.
Inhalation:	Irritation of mucous membranes, coughing. Move to fresh air. Prolonged or repeated exposure at elevated levels may produce allergic reactions with asthma-like symptoms in sensitive individuals. If symptoms persist, call a physician.
Ingestion:	Lips may become stuck together. Apply copious amounts of warm water & encourage wetting/pressure from saliva inside mouth. Gently peel or roll the lips apart (do not pull). It is almost impossible to swallow cyanoacrylate as adhesive solidifies upon contact with saliva & may adhere to inside of mouth. Saliva should lift the adhesive in 12 - 48 hours. Do not force removal. Do not swallow the adhesive when it loosens.

Medical Conditions Generally Aggravated by Exposure:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure.

Product: **ZAPIT BASE****SECTION V.****Fire-Fighting Measures**

Flash Point:	185F (TCC) 80C	Flammable Limits:	LEL: NE	UEL: NE
Recommended Extinguishing Media:	Flush with large amounts of water or dry chemical extinguisher.			
Special Fire Fighting Procedures:	Fumes may be irritating if not burning and require air supply with goggles while applying large amounts of water or dry chemical. When fighting fire, wear full protective equipment, including self-contained breathing apparatus.			
Unusual Fire or Explosion Hazards:	None. Combustible requiring the above procedures.			

SECTION VI.**Accidental Release Measures**

Steps to Be Taken in Case Material is Released or Spilled:	Polymerize with water. Solid material may be scraped from surface. Flood area with water to cure (harden) cyanoacrylate adhesive and to control spill.
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SECTION VII.**Handling and Storage**

Handling:	Avoid contact with clothing as contact can cause burning.
Storage:	Avoid moisture, direct UV-Sunlight and do not store above 25 C (77 F). Keep container tightly closed when not in use. Ideal storage: 5 - 10 C (41 F - 50 F).
Other Precaution:	Avoid breathing vapor, contact with eyes and skin. Allow product to reach room temperature before use.
Special Comments:	This product and/or all of its' components are registered by TSCA. Non-hazardous ingredients withheld under PA trade secret status.

SECTION VIII.**Exposure Controls / Personal Protection**

Exposure Controls:	
Skin and Eye:	Warning: Cyanoacrylates bond skin rapidly and strongly. May also bond eyelid to eyelid and/or eye. A large drop of material may cause a burn upon solidification.
Inhalation:	Vapors may cause irritation of nose and bronchial passages. Avoid prolonged inhalation.
Oral Ingestion:	It is almost impossible to swallow cyanoacrylate. The adhesive solidifies and adheres in the mouth. The lips may be stuck together.
Carcinogenicity:	NTP: NO IARC Monographs: NO OSHA REGULATED: NO
Other:	This product has no known carcinogenicity, mutagenicity or teratogenicity effects. Further there are no known effects of chronic exposure or to target organs. No exposure limits have been established for this product as formulated
Personal Protective Equipment Recommended for Normal Conditions:	
Eye Protection:	Safety glasses with side shields.
Skin Protection:	Polyethylene (non-sticking) gloves and rubber apron (no cotton or wool) to protect clothing.
Respirator Protection:	N/A with local exhaust. A NIOSH-approved organic vapor canister may be used to maintain vapor concentration below TLV. Mechanical (General) Large amounts used to 0.2 ppm.
Work/Hygienic Practices:	Soap and water helps remove adhesive from skin.

SECTION IX.**Physical and Chemical Properties**

Appearance:	Transparent Red Colored	Vapor Density:	nil-NE
Odor:	Special Stimulative Smell	Melting Point:	NE
Boiling Point:	365 Degrees F	Vapor Pressure (mm Hg):	1 @ 20C
Specific Gravity (H2O=1)	1.05	Evaporation Rate (Butyl acetate=1):	NE
Solubility in Water:	Insoluble, material reacts to hardened mass for non-hazardous waste.		

Product: **ZAPIT BASE****SECTION X. Stability and Reactivity**

Product is stable under normal conditions.

Conditions to Avoid: Excessive heat above 176 F (81 C) moisture and alkalines. Stable up to 122 F (50 C).

Incompatibility (Materials to Avoid): Polymerized by water, alcohol, amines, alkaline materials and direct UV.

Hazardous Decomposition: Combustible by-products of carbon monoxide/dioxide.

Hazardous Polymerization may not occur.

SECTION XI. Toxicological Information

Please refer to Sections II and III.

SECTION XII. Ecological Information

Please refer to Sections I thru X.

SECTION XIII. Disposal Considerations

This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261. Dispose of in an approved landfill in accordance with state and local regulations.

Incinerate solid combustible waste or dump as chemical waste according to regulations.

SECTION XIV. Transport Information

Transport this product according to local, state and federal requirements.

SECTION XV. Regulatory Information

Substances listed as hazardous component (s) as defined in 49 CFR 172 and 29 CFR 1910, which are present in this product and all components which appear on the hazardous substance list of any state.

EPA SARA TITLE III HAZARD CLASS: Combustible liquid.

This product contains NO CHEMICALS subject to the reporting requirements of EPA SARA TITLE III Section 313 (40CFR372); or considered by State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as causing cancer or reproductive toxicity and for which warnings are now required.

SECTION XVI. Other

The data herein relates to the product named and is based upon information that Dental Ventures of America, Inc. believes to be reliable and accurate. No warranty expressed or implied is intended. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. This information is offered solely for your consideration and interpretation.